

**Smitherman's Mill Dam Removal,
Little River, Montgomery County, North Carolina**

Species Diversity:

A habitat survey for rare fish and freshwater mussels was conducted in June and July of 2012. Suitable habitat for rare fish and freshwater mussels was determined not to be present in the vicinity of the project area. From previous surveys, the following rare, freshwater aquatic species have been documented in the Little River near the project area by aquatic and fisheries biologists of the NC Natural Heritage Program, NC Wildlife Resources Commission, USFWS, and NC Museum of Natural Science:

Name	State Status	Federal Status
MUSSELS		
Atlantic pigtoe (<i>Fusconaia masoni</i>)	E	FSC
Brook floater (<i>Alasmidonta varicosa</i>)	E	FSC
Creeper (<i>Strophitus undulatus</i>)	T	n/a
Carolina Creekshell (<i>Villosa vauhaniana</i>)	E	FSC
Eastern Lampmussel (<i>Lampsilis radiata</i>)	T	n/a
Eastern Creekshell (<i>Villosa delumbis</i>)	SR	n/a
Yellow lampmussel (<i>Lampsilis cariosa</i>)	E	FSC
Green Floater (<i>Lasmigona subviridis</i>)	E	FSC
Notched Rainbow (<i>Villosa constricta</i>)	SC	n/a
Triangle Floater (<i>Alasmidonta undulata</i>)	T	n/a
Savannah Lilliput (<i>Toxolasma pullus</i>)*	E	FSC
Undescribed species (<i>Alasmidonta sp. 2</i>)**	SR	n/a
FISH		
Carolina darter (<i>Etheostoma collis</i>)	SC	FSC
Carolina Redhorse (<i>Moxostoma sp.3</i>)	T	FSC
American eel (<i>Anguilla rostrata</i> ***)	n/a	petitioned

* One of only 4 populations of Savannah Lilliput in NC

** Endemic to the Uwharrie region

*** The American eel is being reviewed under the ESA. There are historic records of the American eel in the Little River (Menhinick, E.F. 1996. Studies of streams of the Uwharrie National Forest. Research Grant No. 11-544, U.S. Department of Agriculture, Forest Service, 179pp).

Also, Lenat's ceraclea (*Ceraclea joannae*) is a caddisfly only known in the Little River.

Definitions of Federal Status Codes:

E = endangered. A taxon "in danger of extinction throughout all or a significant portion of its range.

T = threatened. A taxon "likely to become endangered within the foreseeable future throughout all or a significant portion of its range.

FSC = federal species of concern. A species under consideration for listing, for which there is insufficient information to support listing at this time.